

the cannon

THE OFFICIAL NEWSPAPER OF THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY — VOLUME XVII ISSUE VI

MARCH 20, 2000

Avid Campaigning Marks Beginning of EngSoc Election Week

BY JEAN CRUZ

All of engineering becomes a big, bright fire hazard as the traditional wallpapening of Skule™'s buildings marks the beginning of election season. 16 hopefuls are vying for the following five Engineering Society officer positions: President, Vice President - External, Vice President - Internal, Vice President - Finance, and Vice President - Activities.

Karen Caputo, Joe McNamara, Ken McNeil, and Bartosz Wozniak are running for President; Chris Davis and Kirsten Koehl for VP - Finance; Rebecca Feldman, Natalie Hirsch and Erika Kiessner for VP - External; Althea Barthos, Julia Bontemps, Michael Lepard and Zoë Baldwin for VP - Internal; Paul Graham and Mark Weir for VP - Activities. See page 6 of the Cannon for statements from the candidates and details about the responsibilities of the different positions.

Campaigning will begin on 8:00am Monday, March 20, 2000 and end on 8:00 am on Thursday, March 24, 2000. Elections will be held at the Atrium of the Sandford Fleming Building.

Many of the Engineering Society's functions are organized by appointed positions. Nomination forms for the following positions will be available at the Engineering Society:

2 Pub Managers, Archivist, Cannon Editor, Chief Attiliator, Chief Returning Officer, Handbook Editor, LGMB Leedur, Publications Business Manager, Skule™Nite Producer, Speaker, Stores Manager, Toike Editor, Skule™Book Editor

Feel free to visit the Engineering Society if you have any questions regarding elections or the appointed positions.

inside the cannon

iron ring & gradball

skulenite review

election candidates

special levy fund information

charity date auction

& much more...



Skule™Nite... one of those unflinchingly compelling tour-de-force performances that will enter the Canadian canon of memorable acting moments. A challenging, multi-layered, awe-inspiring dream of a show as visually stunning as anything seen on any stage in Hong Kong this year. See page 11 for more objective journalism.

U of T Engineers Shine at OEC 2000

BY MARK EDDEN

Nearly 200 engineering undergraduates from thirteen schools came to U of T for the 21st annual Ontario Engineering Competition (OEC 2000) on March 3 to 5. Held in Hart House and University College, the competition was organized by U of T undergraduates led by John Paul Morgan (EngSci OT1). The competitors represented some of the province's top talent in engineering design and communications.

The University of Toronto performed very well as a school. Congratulations to Sophie Walewijk for placing second in the Editorial Communications category with her talk, "The

Human Genome Project: Ultimate Promise or Fatal Error?". Congratulations to Arnold Choi, Jean-Paul Cardoso, and David Preiss for placing second in the Corporate Design Category, with their project, "Hydrometallurgical Refinery of Copper Sulphate". And congratulations to Chris Aimone, Fahad Razak, and Jason Sears for winning the coveted Technical Excellence Award with their "Autonomous Window-Washing Robot".

The competition was sponsored by various groups, including our Faculty of Applied Science and Engineering, and the Engineering Society. Next year's event will be held at the University of Guelph. Visit <http://www.ecf.utoronto.ca/~oec> for this year's web site.

IEE visits Bombardier Aerospace

BY JEREMY DE SOUZA

On Thursday February 3, 2000 a large group of enthusiastic engineering students got an inside look at Bombardier Aerospace and their aircraft manufacturing facilities at the de Havilland site in Toronto.

Bombardier is a multinational company originally founded in 1942 by Joseph Armand Bombardier, the famous French-Canadian inventor of the snowmobile. Bombardier, which previously focused mainly on the transportation industry and recreational market, has grown to a prominent position in the aerospace industry with the

see Bombardier page 11

Engineers Pack SF Atrium for Date Auction

Bids Go as High as \$460!

BY CARLA GONZALEZ

The first annual Charity Date Auction, held in the Sandford Fleming Atrium on February 11th was a spectacular success, raising over \$2100.00 for the Heart and Stroke Foundation. Engineering students (some from as far away as Ryerson!) packed the atrium to watch 16 engineering undergrads, get auctioned to the highest bidder.

Organizers Yuval Grinspun and Mary Rebello were pleasantly surprised by the crowd turnout and the average bids. The most expensive engineer-date combo was sold at an unbelievable price of \$460.00.

The Dirt on Tricia's Date With Donald and more Charity Date Auction coverage on page 8



Katherine Martineau puts on a smile as auctioneers Mike Wood and Tim Christie work the crowd at the Charity Date Auction

ring around the pinky.

see the back page for photos of various happy 4th years!

opinions

the cannon



EDITOR

Jean Cruz

LAYOUT EDITOR

Monika Go

CONTRIBUTORS

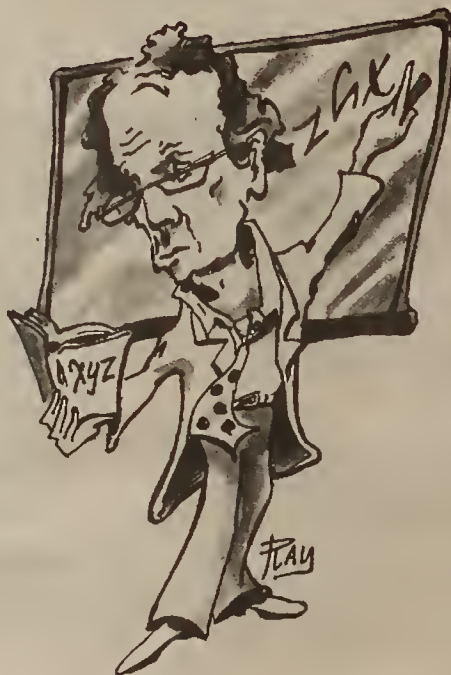
Nir Balachandra, Ivey Chiu, Tricia Cruz, Susmita De, Jeremy De Souza, Mark Ebdon, Carla Gonzalez, Paul Graham, Gordon Lau, Chris Peressotti, Melinda Socgharto, WISE, and Scaffolding Man

ARTIST

Richard Yee

SPECIAL THANKS TO

Dean Charles, John Wheeler, Tricia Cruz, Cassandra Lee, Calum Tsang and Sean Voskamp for 4th year photos



editorial

Established in 1977, the cannon is a monthly publication of the University of Toronto Engineering Society, with a circulation of 2000 copies throughout the University of Toronto St. George Campus. The mandate of the cannon is to publish information that is pertinent to the Engineering student body.

Subscription information is available at the Engineering Society at 416-978-2917. For advertising rates, production deadlines and other information, please contact us at cannon@skule.ca

PLEASE NOTE

the cannon is a medium through which undergraduate engineering students can express their opinions. The views expressed herein are those of the author and do not necessarily represent those of the editors or the Engineering Society unless so indicated.

CORRESPONDENCE

the cannon
Editor-in-Chief

B670-10 King's College Road
Sandford Fleming Building
Toronto, Ontario M5S 3G4
tel. 416-978-2917
fax. 416-978-1245
email. cannon@skule.ca
<http://www.cannon.skule.ca>

March is a crazy month here at Skule™. Starts out slow as midterms wind down then BAM. OEC. FroshNiteII. Gradball. Iron Ring. Open House. Skule™Nite. Elections. Before you get a chance to say <insert> it's almost April and they're massmailing about exam schedules. And if you haven't found a summer job yet, well... We hope you like this issue. It's packed with neat March stuff. And below I've put together quick darts and laurels that have been on my mind recently, that might make you go hmmm...

Dart

Profs who plow through the material in a desperate attempt to get through it, oblivious of how lost and behind the class is. It doesn't matter that we're behind! Slow down and teach us *something*.

Laurel

Dean Charles and Sean Voskamp, who showed up at the make-shift Gradball to make the grads feel special and welcomed.

Dart

People who show up to events already drunk.

Laurel

All the behind the scenes movers and shakers that make things happen at Skule™. These people go the extra mile (the second mile?) to make this engineering thing a bit more exciting than calculus (not that calculus isn't exciting, no no) and usually don't get any recognition. There's just not enough awards in this faculty to capture all the crazy people.


Laurel

The cast and crew of Skule™Nite. Puring like you wouldn't believe. You guys deserve a month of sleep.

JEAN


one editor
two editor
red editor
blue editor

cannon@skule.ca



Cold Iron

U of T Engineering Skule™ Rings.
Iron, \$20,000. Stainless Steel, \$20,000.
Complete with Certificate of Authenticity.
Only available in Canada.



SKULE™ & Co.
TORONTO, ONT CANADA • OPEN 365 DAYS, 24 HRS.

NOTICE OF OFFENCE

At a meeting held on January 26, 2000, the Dean of the Faculty of Applied Science and Engineering considered the following charges against a student in Third Year:

In the late Fall of 1999 the student did knowingly obtain unauthorized aid, namely, in completing two terms papers worth 23% of the final mark for a course contrary to Section B1.1(b) of the University of Toronto Code of Behaviour on Academic Matters, 1995.

The student admitted obtaining unauthorized assistance from a third party whom he had retained to help him prepare these papers in a substantial way.

The Dean accepted the student's admission of guilt and imposed the following sanctions:

- that a grade of zero be assigned for the course;
- suspension for a period of eight months effective January 1, 2000;
- that the sanction imposed by the Dean be recorded on the student's academic record and transcript for a period of eight months effective January 1, 2000.

NOTICE OF OFFENCE

At a meeting held on January 28, 2000, the Dean of the Faculty of Applied Science and Engineering considered the following charges against a student in First Year:

In the Fall of 1999 the student did knowingly obtain unauthorized assistance, namely, in copying from another student in a final examination worth 60% of the final mark for a course contrary to Section B1.1(b) of the University of Toronto Code of Behaviour on Academic Matters, 1995.

The student admitted obtaining unauthorized assistance.

The Dean accepted the student's admission of guilt and imposed the following sanctions:

- that a grade of zero be assigned for the course;
- that the sanction imposed by the Dean be recorded on the student's academic record until graduation.

COMPUTER SCIENCE TUTORING

C, C++, JAVA, Assembler,
VHDL, HTML, JavaScript

Tutoring, Exam Review and Lessons
Ed 416-785-5115

www.cstutoring.com

special levy fund

Message from the Dean Renewal of Voluntary Special Levy

DEAN MICHAEL E. CHARLES

In 1982 — almost twenty years ago — your predecessors undertook the laudable initiative of putting in place a voluntary special levy of \$100 to be paid by each undergraduate student to directly support teaching laboratory improvements and other projects identified by students. Over the years this generous act has had a major impact on the quality of our undergraduate programs.

Over the period 1982 to 1994 some \$3 million was raised in this way. Starting in 1995 the Provost agreed to match 50 cents on the dollar, and with the growth in enrolment, the funds raised in this way amount to now approximately \$450,000 per year. Put another way, a \$100 voluntary contribution by each engineering student produces a total fund of \$450,000. A leverage factor of 4,500 would make any business person jump for joy!

In March, members of the Engineering Society will be asked to renew their commitment to the Special Levy for a further two years. I have again approached the Provost and he has agreed that the University will continue to match your contributions 50 cents on the dollar. By 2001-2002, with enrolment growth this will produce a total fund of some \$500,000 per year — all used directly to enhance our undergraduate programs with no overhead or administrative charges of any kind. Every dollar buys equipment or is used for projects selected by students in consultation with administrative Chairs and Directors.

I urge you to continue to the generous precedent established by your predecessors and keep up the Skule spirit by extending the voluntary special levy for two more years. It will help make this Faculty an even better place to study engineering.

Message from the President

BY SEAN VOSKAMP — ENGSOC PREZ

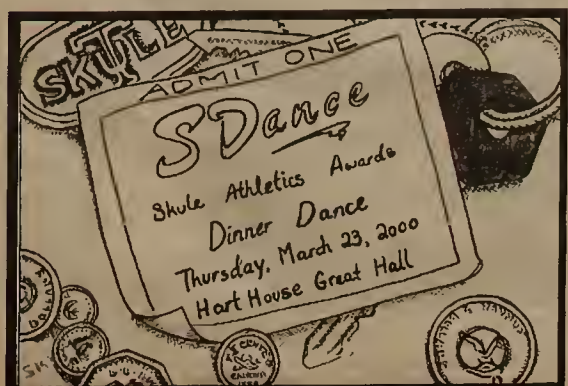
There will be two referendum questions during this year's election. They both concern the Engineering Society's levy fund. The first will be to continue the levy fund for another two years at the \$100 rate it is currently. The second will be to increase the levy by \$4.75 to \$104.75.

The levy fund began in 1982. The Engineering Society and the Provost of the University agreed that if students started a fund, the University would match the amount by 50 cents on the dollar. All the money collected is distributed directly to undergraduate student improvements. Every year each Department in the Faculty submits a proposal to the Engineering Society for their portion of the levy fund. The Engineering Society receives these proposals and upon approval from council the levy fund is distributed. Of the total amount 10% is retained by the Engineering Society. Half of that goes to the Engineering Computing Facility for hardware and software upgrades. The other half the Engineering Society uses for special projects, which is a fund that any Engi-

neering student group or Department can request money from.

The second question about the increase is for the Blue Sky Project Solar Car Team. The Engineering Society and the Solar Car Team were discussing a \$5 increase in the levy to go directly to the team. The motivation for this is that many other schools have this same arrangement, a levy fund that goes to their solar car team. Take Queen's for example, with support from their students they were able to take second place in the Australia race this year. The Solar Car is a University wide project though. That is why we are asking to increase the Engineering levy by \$4.75 and SAC will hold a referendum for a university wide 25-cent levy. The Engineering levy increase of \$4.75 would also be matched by the University making it a big help to the Solar Car team.

Every two years the levy fund must come up for referendum. The vote is a decision by students on whether to continue it. With its excellent track record I encourage you to continue to support the levy and help the Solar Car team by voting in favour of both questions.



skule™ news

CC2K: Concrete Canoe 2000

BY IVEY CHIU

The construction of the University of Toronto Concrete Canoe is well underway. The efforts of the Concrete Canoe Team began at the beginning of this term and will culminate at the National Concrete Canoe Competition held on the weekend of May 5th. This year, the competition is being held at Queen's University in Kingston, Ontario.

Competitors come from across Canada with some of the teams having to fly their canoes to the competition. The shapes and construction of the canoes vary from traditional looking canoes built by hand to sleek, machined hulls. Competitors are evaluated on their actual canoe, the canoe's performance, technical report, presentation and team spirit with the categories being weighted differently. Canoe performance is evaluated on the outcome of several different paddling events which demonstrate speed and maneuverability with two and four paddlers. The University of Toronto won the National Competition in 1998 and the most original award in 1999.

While the construction and look of the canoes can be quite different, there are a strict set of rules which govern the material composition of the canoe. While building a canoe out of 100% concrete may sound like an impossible task, there is an allowance of 25% by weight for reinforcement materials. Another restriction is that all structural members must be made of concrete. These rules also specify that no sponsorship logos are allowed on the hull or the report.

This year's team, lead by Yuval Grinspun (CIV 0T0), decided to design its own hull based on guidelines from various canoe experts and resources. Civil Engineering's Professor Pressnail was able to provide many useful tips on the hull shape and construction itself. Currently, the hull design has been finalized and the mold construction is complete. Also, tests to determine the ideal concrete mix and the final composite are in progress.

Full rules and regulations can be found at <http://civil.queensu.ca/docs/civclub/competition/Rules.htm>. If you'd like to join the team, please contact grinspy@ecf.toronto.edu



Layers of sawdust settle in the Civ Common Room as mold construction for the Concrete Canoe progresses.

Movie Nights at Skule™

BY NIR BALACHANDRA

The ASME club has received exclusive rights to screen unreleased movies for ASME members and non-members. On Friday February 11, 2000 ASME presented "FIGHT CLUB" starring Brad Pitt, which proved to be a success. We plan to host a lot of movie nights to satisfy movie hungry students. Upcoming movies include Galaxy Quest and Star Wars: The Phantom Menace. The movies will usually air Friday nights around 5:30pm after classes. There will be a small admission fee for non-members and as always ASME members get half price admission. This is one good reason to become an ASME member and share in the benefits. ASME membership forms will be available at the ticket counter and remember first year students, membership is free for you. There will be snacks served at the door for a minimal fee so that there is no excuse to miss the movies. ASME will be sending mass emails to inform students of upcoming movies and don't forget to look out for the posters.

The U of T ASME chapter is more alive than ever. Come join us for movie nights, plant tours and other great events.

Mixed Reactions as GRADitude Campaign Wraps Up

BY JEAN CRUZ

An unofficial tally of the engineers who have participated in the GRADitude campaign, about 47% of the student body (a drop from last year's 8X%) has raised questions about student perceptions and the morale in a changing and growing faculty. With the campaign drawing to a close, student organizers from the different departments are collecting feedback from their respective classes in order to determine why engineering participation has dropped.

Despite the participation drop, some notable campaign successes include the establishment of the Julie Wilkinson Memorial Scholarship by the Industrial Engineering class, as well as the high per capita pledge by the Mineral Engineering students (almost \$200 per person).

live. free. jazz.

The Skule stage band plays Fri.
Mar. 24th, 8:30 pm at Hart House.



EPDs in progress. Top: Angus MacPherson, Steve Lostracco, and what eventually will be the winning entry in the EPD contest. Below: The Making of Dave Phillips and Ben Wong's Second-Place-Winning EPD.

Engineers Compete for Best Egg Protecting Device

BY MONIKA GO

Civs and non-civs alike came out once again to show off their reinforced concrete know-how and their desire to protect eggs. The 12th Annual U of T C SCE Concrete Structure Egg Protection Device Competition was held in the SF atrium on March 10th.

Weights were dropped through PVC pipes from varying heights in order to test the entries. Prizes were awarded to the "highest-cumulative-impact-load resistance reinforced concrete egg protection device" (1st, 2nd and 3rd place), as well as to the most dramatic failure and best-looking device. First place went to Steve Lostracco and Angus MacPherson, second place to David Phillips and Ben Wong third place and the prize for most dramatic failure went to the team of Remmy Chu, Vicky Liu, and Yik Man Tong. The prize for the best looking entry went to Frode Olsen and Richard Yee (The Cannon's artist Yay!).

write. draw. layout.

join the cannon

email cannon@skule.ca

take pictures. rant. extoll. verb.

EAA Executive 2000-2001

President: Magdalena Wierus
Men's Director: Adam Horwitz
Women's Director: Patricia Pernica
Coed Director: Andrea Lendak
Director of Finance: Rebecca Feldman
Director of Administration: Ashley Morton
Director of Publicity: Christer Leung
S' Dance Coordinator: still open,
contact the EAA for details

skule™ news

Free-Flying Foam at OEC Qualifying Round

BY GORDON LAU

"30 mins left," wrote the invigilator on the board. Instead of mad scribbling or calculator punching, however, it was particles of blue insulating foam flying in the air as groups of students furiously cut them into various shapes. This was the qualifying round to decide which deserving engineers would represent the University of Toronto at the upcoming Ontario Engineering Competition.

Groups of hopeful first-years gathered at SF 1013 on January 26 to took up the challenge: Deposit a penny in a small Tupperware container six meters away using the provided materials within a one hour period. Sounds simple? Over ninety students in teams of four participated in the event, and none succeeded. The winners were chosen based on how close their penny got to the bin.

There were many innovative approaches to the problem. Some built a cart with an extended paper arm, and others put the penny on a paper airplane or projected it out of a slingshot or a catapult. Given three attempts, the groups soon discovered that their design was flawed in some way or another, and out of desperation tore down their devices and resorted to throwing across the six meter span.

It is interesting to note, however, that the winning designs were based on the throwing principle! First place went to Mark Ford (Mech), Kris Hutton (Min), Henry Liu (Comp) and Kirk Steward (Elec) with 37 cm to the bin. Their design was a simple yet elegant tether made by tying rubber bands to a length of six meters. When the penny was thrown, the tether would stretch and dampen the forward momentum and land in proximity to the bin. Second place went to Erin Forhwerk (Chem), Daniel Kekez (EngSci), Peter Oakham (EngSci), and Sonia Vanderby (Chem) with 39 cm from target. Theirs was a weighted bola (two masses connected by rubber bands) which tended to be more stable in flight.

In response to the comment that the preliminary competition was a test of hand-eye co-ordination rather than of engineering aptitude, Ford responds: "Not necessarily. If having a human throwing it is the most accurate way of doing it, why have a machine do it?" All in all, while most teams did not fare so well, they still had a good time. "Go out and have fun. If we do well, we do well. If we don't, we don't. This is the mentality that we will carry into the OEC as well," answered Ford, when asked of his thoughts going in the competition.

The Ontario Engineering Competition 2000 is being hosted here at University of Toronto on March 3rd to March 5th. Competitors from across Ontario will be staying at the Delta Chelsea Hotel downtown while the competition itself will be located at Hart House. Competition begins on the Friday and ends Saturday evening with an awards banquet and a party. Our teams will be participating in the Team Design category, where they are required to combine teamwork and problem solving skills to design, construct, test, and present a previously undisclosed project. As is often the case in real life, the competitors will face limited materials and preparation time.

There are other categories as well, including Editorial Communications, Explanatory Communication, Parliamentary Debate, Corporate Design and Entrepreneurial Design. There are cash awards for winners of all categories. They will also be invited to the Canadian Engineering Competition as well.

The Cannon wishes our representatives the best of luck at the OEC!



Snif... I'm so proud of you! Estatic grads at their Iron Ring celebration

March Break Open House

BY MONIKA GO

Curious high school students and their parents filled the hallways of Skule™ to have their questions answered and their concerns allayed on March 16 and 17 during Engineering's annual March Break Open House.

The day started with a general info session held at Convocation Hall, which was followed by various program specific sessions. Participants enjoyed a toonie lunch and tours care of enthusiastic volunteers from Skule™.

EngSoc Couches Gone

BY SHU ZHEN WU

Students entering the Julie Wilkinson Memorial Common Room (SF B670, previously called the Engineering Society) will be surprised to find that the couches are gone. According to Sean Voskamp, president of the Engineering Society, they will be replaced with new ones before the semester is over.

The couch replacement is part of a bigger endeavour to improve the conditions of the room, which serves as a centre for many engineering student associations. The room also houses some of the Engineering Society's student services, such as the photocopying machine, pop machine, candy machine and the Bat Phone.

U of T Hosts Intersvarsity Choral Festival

BY IVEY CHIU

The Intersvarsity Choral Festival 2000 took place in Convocation Hall on February 13th, 2000. Two members of the Hart House Chorus Madhava Enros (IND OT0) and Joanne Chong (CIV OT0) were co-organizers of the Festival which is in the 51st year of its existence.

Originally, the Festival involved only three other universities: Queen's University, The University of Western Ontario and McMaster University. Madhava Enros and Joanne Chong, who spent nearly a year organizing the choral festival, decided to invite other universities to the 51st Festival. The result of their work expanded the Festival by two more schools to include Trent University and the University of Ottawa.

After spending a Friday and Saturday getting to know each other and rehearsing, each choir showcased their talents on Sunday at Convocation Hall. The choirs performed separately and then combined in the end to perform "Omnes Gentes" by Giovanni Gabrieli. The combined choirs were conducted by Brainerd Blyden-Taylor, a well-respected conductor and music educator.

The task of hosting the Festival rotates between each of the participating universities. Next year's Festival will be held at Queen's University.



ENG SOC COUCHES ON THE RUN!

election candidates

CEO of the Engineering Society. Gives direction, and maintains communication with the highest levels of the university community

ENGSOc PRESIDENT



Karen
Caputo

Hi! My name is Karen Caputo and this year I'm running for President of your Engineering Society. I have limited space, so here goes... I have tons of experience with EngSoc, so I know what works and what doesn't. In the past, I've taken on various roles including VP Finance, VP External, First Year Chair and Vice-Chair of Orientation, organizing events like Flosh Nite and Freedom.

Through these activities, I've developed a lot of ideas about improvements and changes I'd like to implement. For starters, I'll make EngSoc a more accessible place for everyone. We've already started the clean up, and as President, I'll also ensure that you are kept informed of opportunities such as appointed executive EngSoc positions that all students are eligible for. One of my other plans is to get Project Magazine (a prominent national engineering student magazine) designed, published and distributed from U of T, by 2001. This will bring you great publicity and recognition both from other schools and from industry. So there's a taste of just a couple of the improvements I'll bring to you as President of your Engineering Society. If you'd like to hear more, please stop me in the halls and ask.)

You can approach me with any idea or concern... I'm always willing to listen and take action. It's important, as a student representative, to be responsive. So if you'd like a President with experience, initiative, approachability, and leadership, vote for Karen Caputo on March 23rd.



Joe
McNamara

Joe McNamara For Eng. Soc. Prez

That's right people of Engineering, Joe McNamara, Mechanical Engineering Student, returning from PEY at XEROX is running for President. Joe has been an active member of the Engineering Society since his first year here at U of T, way back when. He has participated in the following areas:

- * Member of the Blue & Gold Committee for four years
- * SUDS Co-Manager 96-97
- * VP Activities (Orientation Chair) 97-98

These experiences and more lead us to think that Joe would make a great President.

Office of the Campaign of Joe McNamara



Ken
McNeil

There are two types of people that vote in the Engineering Society elections. There are those that support their friends, and there are those that dig a little deeper to make a more informed choice. If you are a member of the former, then you've already made your decision, and there's probably not much I can say here to alter that. If you haven't made up your mind yet, then please read on.

I'm Ken McNeil, COMP OT0 +1, your current Blue and Gold Chair, and hopefully your next Engineering Society President. I've been involved in various facets of the Engineering Society for three years now, and have committed a lot of time to making sure that the Engineering experience is more than just lectures, labs, and exams. I've been Blue and Gold Chair, Orientation Vice Chair, Suds server, and a fixture in the Lady Godiva Memorial Band. I've organized this year's Godiva Week, and several Hart House Farm trips this past summer and during Flosh Week.

As president, I want to make sure that Engineering students are properly represented to the Faculty, the University, and to the world at large, to make sure that your concerns are heard, and to make sure that the Society does its part to make your time here enjoyable. I want to, and can do all that, if you'll let me.

Vote responsible, vote spirited, vote McNeil.

Thank you.



Bartosz
Wozniak

Hello, my name is Bartosz Wozniak and I'm running for Engineering Society President. Why? Countless times I ask fellow students whether they know what EngSoc does or if they have any idea where their fees are going. Most times I get a laugh and other times the person responds, "What the %*^! are you talking about?". (Believe me, this happens many times.) Therefore this current state of non-communication between EngSoc and engineering students must end.

Fundamentally however, EngSoc has a good cause since the various clubs that comprise it each represent a group of engineering students with a particular interest in common. For example, the Chem. Club or the 1st Year Committee. The problem exists in the scope of coverage that EngSoc is responsible for. Since there are so many interests that the Society must represent, it is incredibly difficult if not impossible to facilitate communication.

What to do? Previous attempts by EngSoc include a web page, mass emails and all the countless posters around campus that list current events. And still, most engineering students don't care. I believe that a different approach should be taken, in that an account statement be sent to each student at the end of each semester showing exactly how their individual fees have been spent. If you would like to know more, please read my "What the %*^!?" posters or talk to me in person.

Remember though, I can only do this if you elect me.

Organizes Flosh Week. Active throughout the summer months preparing for Orientation, responsible for conducting an Orientation Review, and overseeing the activities of several committees

VP ACTIVITIES



Paul
Graham

Welcome to Paul's (my) Campaign. I plan on filling your mind with propaganda and swaying your opinion with witty slogans. Don't pay any attention to the subliminal messages at the end... just obey them. I am running for VP-Activities because it has a huge potential to affect the new Flosh and their opinion of life at Skule™.

Last year I was VP-External and learnt a lot about how other schools run their orientation and also had a large involvement in ours as handbook co-editor and Flosh

leader. There is a huge potential to make Flosh feel welcome and proud of Skule™. Building on past accomplishments I would like to have an orientation that creates an even stronger sense of belonging in the new Flosh. I want them to have more personal contact with Flosh leaders, and be fully integrated in the atmosphere that is Skule™.

This past year I attended conferences in Winnipeg, Quebec and various parts of Ontario learning about other schools and sharing about ours. We have a good thing going here, and I would like the opportunity to make it better. Orientation is the first taste people have of Skule™, and if this is a positive experience than Flosh will want to keep being involved, and we all will benefit.

How to I plan on accomplishing all these wonderful things? I have the enthusiasm and drive to make things happen. In this past year I have contributed in many ways. I am the VP-External for EngSoc, Master Carpenter for Skule™ Nite, in the Bnad, was Handbook co-editor, Flosh Leader, and more.

Vote for me. Godiva for ever.

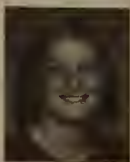
LAUP_ROF_ETOV_LUAP_ROF_ETOV
LAUP_ROF_ETOV_LUAP_ROF_ETOV
LAUP_ROF_ETOV_LUAP_ROF_ETOV

Also running for
VP Activities: Mark Weir

election candidates

Ambassador for the Society. Maintains communication with other universities and organizations. Organizes conferences (including choosing delegates). Oversees Engineering Career Office.

VP EXTERNAL



Rebecca
Feldman

Hi, I'm Rebecca Feldman, and I am running for VP-External. I have been and continue to be an active member of Skule. I could be seen during orientation decked out in coveralls, with purple hair and purple hands, as a Frosh leader. Throughout this year, I have been a server behind the bar at SUDS and an Engineering Society class representative. Behind the scenes, I am an active member of the Student Issues Committee and as Archivist have been responsible for preserving our history. Now I am running for VP-External.

Your VP-External is our Engineering Society's ambassador to other universities. She/he is responsible, to a large extent, for the image and reputation that U of T Engineering projects to other universities. As well VP-External is an officer of the Society, and thus is partially responsible for the day-to-day running of the Society.

As VP-External I would like to help develop this Society into an organisation that everyone WANTS to participate in. I would like the Engineering Society to be a place that anyone can feel comfortable expressing her/his ideas and participating however they choose. Finally, I would like to clean up the rules under which the Society operates so that it is clear to everyone how the Engineering Society works.

I would like a chance to make this society the very best for the 00/01 Skule year.

I am Enthusiastic, Reliable, Tenacious and Watchful. Please vote for Rebecca Feldman for VP-External.



Natalie
Hirsch

So I heard you were interested in getting the grease pole back from Queen's. If so read on...My name is Natalie Hirsch and here's "My Schpiel".

Coming from a small high school environment, I always found comfort in knowing everyone. That was probably the biggest fear I had awaiting the arrival of university. I thought I would become lost amidst a plethora of student numbers and anonymous faces. However, this in no way was to become the reality I found at Skule. Everyone was welcoming and outgoing which helped make my transition so much easier and effortless. As a result, I have spent the last year getting involved in Skule life through my contributions as class rep of NΨ, member of the EngSoc council and delegate for the FYIC conference. I have made many contacts this year with students from all the Ontario Engineering Schools, and with their help I realized the contributions I can make by acting as VP external. There is a lot to learn from other students and student leaders about organization and leadership and I think that exchanging ideas is an important basis of this knowledge. My main goal for next year is to involve Skule in more conferences and activities beyond the walls of UoT. I am only in first year and I have several years in which to transform new strategies and ideas into realities. In conclusion, I would like to act as your student ambassador for Skule to all the universities whether they be in Ontario or beyond.

Vote responsibly on March 24th, and have your voice heard. Vote Natalie Hirsch for VP External.



Erika
Kiessner

You are reading this because you want to know why I should be VP Ex next year. Or you are looking for witty write-ups. I'll cover the former and hope the latter comes naturally.

I love being involved and have tons of spirit. Some of you Frosh may remember me from Frosh week (Frosh E rules!!!) or from your Calc II class. Others will know me from the LGMB or from having me serve you drinks at SUDS.

After being to conferences and helping run the Ontario Engineering Competition I have lots of experience with engineers getting together in large, noisy, drunken groups—er, conferences. As an OT3 Handbook Editor I have seen just what Engineering Skule™ spirit is all about, and I wrote it down. So I know what it means to be an Engineer at U of T.

With this strong background I can convince other schools of our superiority, but since I am an Indy I can do it tactfully. So vote for Enka as VP Ex etc. etc.... I'll do a good job etc. etc....

Secretary of the Society. Organizes meetings, agendas, and minutes. Keeps track of attendance. Responsible for general administrative activities, and communication.

VP INTERNAL



Althea
Barthos

Why I Should be YOUR Secretary

Any good secretary (aka VP Internal) needs to be very well-rounded to get the job done—so here's why you should vote for me.

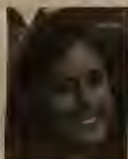
- 1) I can drive a U-Haul. (This skill is actually pretty handy on occasion.)
- 2) I can build a mean chariot. (You SO know the Frosh won this year.)
- 3) I can inflict lasting and significant damage on people out to destroy said chariot.
- 4) I can order a pizza. (And GET IT here — this is very important for surviving l-o-o-o-n-g Engineering Society meetings.)
- 5) I am at least semi-literate. (This means I know how to take minutes.)
- 6) I have been a secretary on councils before. (And Treasurer, and Board of Directors rep, and Youth Advisor, but who's really counting anyway.)

- 7) I can raise money for charity. (And if you vote for me I'll be your slave for FREE next year.)
- 8) I am a F!ROSH. Yes, that's right. This means I can more objectively see what in the Engineering Society needs to be changed—and I've got at least 3 more years to do it.
- 9) I've been through 3 disciplines in the last 6 months. If that's not well-rounded, I don't know what is.

So while I may not know what kind of engineer I'm going to be (just call me Miscellaneous OT3) one thing's for sure:

I WANT TO BE YOUR SECRETARY!

(That's VP Internal, for all of you who skipped directly to the bottom.) Thanks, and see you on election day!



Julia
Bontemps

Dear Friends,

Here goes my attempt at convincing you to allow me to serve as your VP Internal. Should I tell you my good qualities? (like being honest, reliable and trustworthy), but then I would seem full of myself. I could tell you about my leadership skills and how I held office during high school (2 years as acting president of the Lorne Park Publicity Club and one as vice), but then I sound like I'm bragging. How about I just bribe you? Unfortunately, I'm sure that's against election regulations and would result in a disqualification, bringing me back to where I started. Instead, how about I just say that as much as I complain about Skule™ (because let's be honest: when you get 40% on your heat transfer midterm, it sux), I love Engineering and I'm proud to be here. With this in mind, I'll ask you to please consider me

for VP Internal where I would serve within the best of my abilities and help make our Engineering Society the best it can be.



Michael
Lepard

So I says to myself: "Mike, why do you want to run for VP Internal?" Then in typical NΨ fashion I mumble aloud to myself: "Self, that's a good question. I think I would be a good VP Internal because I am organized, I get things done, and I am very involved in EngSoc."

I may be an NΨ but my mom says I'm cool. So please vote for NΨ Mike for VP Internal.

Also running for
VP Internal: Zoë Baldwin

election candidates

Chief Financial Officer of the Society. Maintains records, sets budgets, administers finances over the year. Responsible for the security of the Society's offices and other rooms.

VP FINANCE



Chris Davis

If you're starting to read this during lecture, put it down and pay attention. If not, please continue.

I've spent the last 3 years in positions of responsibility in the Engineering Society. I've been Master Carpenter and Stage Manager for SkuleNite as well as Computer Systems Administrator for all of the Society's publications.

I'm running for VP Finance for the 00/01 year. VP finance is responsible for the money flowing in and out of the Engineering Society. He/she is in charge of the

budget and is also responsible for security of the Engineering Society offices. VP-Finance is an officer of the Engineering Society and as such acts with the rest of the officers to run the society on a daily basis. It is the little decisions that the officers make that determine the tone for the entire year. I know this and it will factor into everything I do.

There have been numerous thefts from the Engineering Society this past year. These people have been stealing from YOU. As VP Finance I will work to increase security to vital areas of the Society. I will ensure accountability in the budgets of the Engineering Society's various committees and I will increase the accessibility of the society as a whole. I'm responsible, capable, and experienced and I will bring my knowledge of how the Society has worked for the last 3 years to bear in improving the Society for next year.

Please vote for Chris Davis for VP-Finance.



Kirsten Koehl

Hi everyone! My name is Kirsten Koehl, and I am running for VP Finance in the Engineering Society Elections. You'd think that after two years of engineering I'd hate math and numbers, so why would I want to run for VP Finance.....Well.....I'm a sucker for punishment! Actually after helping with the social committee this year my interest in getting involved in the Engineering Society has really increased.

Why should you vote for me you ask? Last year I gained financial experience managing the billing/accounting for the members of the Club restaurants of SkyDome.

I also went to the ESSCOFiQ conference this year where I learned new ideas to incorporate based on the successes of other schools.

Knowing that the allocation of student fees is very important, attention to the levy fund as well as special projects like the solar car, and concrete canoe will be a priority. I am committed and have the ability to fulfil the obligations of VP Finance. Hope to have your vote on March 23 & 24!

Thanks!

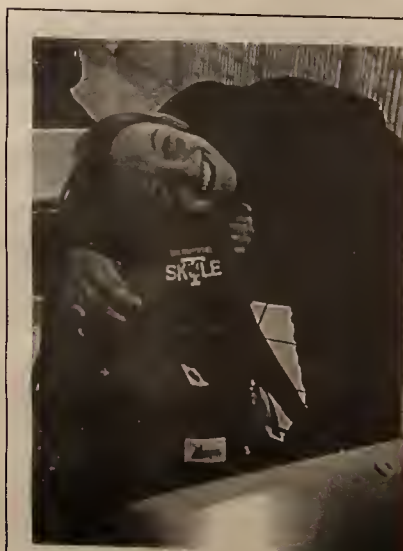
The 32nd Canadian Congress of Engineering Students CFES 101

BY PAUL GRAHAM - VP EXTERNAL

It's time for another conference report. This one is all about the 32nd Canadian Congress of Engineering Students (CCES) - the annual meeting of the Canadian Federation of Engineering Students (CFES), a national organisation that represents you. Last year we hosted this conference; this year it was in Winnipeg, and next year it will be at McGill. Representing Skule™ were Karen Caputo, Magda Wierus, Melinda Soegiharto, Andrea Cassano and myself. This conference was a bit of a marathon, to say the least, as it is a week long and action-packed.

It all started out by flying out to Winnipeg on the 3rd of January. Starting on the morning of the 4th, it was workshop after workshop from 9 to 5, plus a couple more after dinner.

All in all it was an amazing experience. Our presentation on Skule™ Nite was very well received - everybody was very impressed at its level of professionalism. Andrea ended up being named Outreach Commissioner for CFES, and I am now on the Board of Directors for CCES '01 in McGill representing Ontario. Speaking of which, next year's CCES will be hosted by McGill in Montreal. If you are interested in missing the first week of Skule™ next January and want to go to Montreal, maybe CCES '01 is for you.



Social Committee Chair Jenny Harinai proudly shows off her Skule™ patch.

BY MELINDA SOEGIHARTO

By being an engineering student in Canada, you are automatically an affiliate member of the Canadian Federation of Engineering Students. CFES represents over 40 undergraduate engineering societies across Canada, totaling more than 40,000 students. The primary goal of the Federation is to facilitate communication between schools so that ideas and suggestions might be shared between bright enthusiastic engineers across the country. To enforce these lines of communication, the Federation maintains a web site and an email discussion forum so that students separated by distance can remain close in the virtual world.

CFES also keeps Canadian engineering students abreast of changes in the engineering community, scholastic and professional. The Federation is able to do so by representing its members to various professional engineering organizations such as the Council of Canadian Professional Engineers (CCPE), the National Committee of Deans of Engineering and Applied Sciences (NCDEAS), and the Association of Consulting Engineers of Canada (ACEC). To promote and showcase outstanding student achievement, CFES

sponsors leadership and appreciation awards, as well as a Charity Challenge, which challenges engineering schools to compete against each other by raising the most amount of money for charity.

In order to establish and maintain strong ties with the over 40 undergraduate engineering societies across Canada, the Federation organizes the Congress of Canadian Engineering Students (CCES). At the conference, students from across the country unite to discuss relevant issues and ideas in workshops and seminars. Each represented school has the opportunity to discuss relevant issues and ideas in workshops and seminars.

The Federation also organizes the Canadian Engineering Competition (CEC), where engineering students can display their skills and creativity in a variety of competitions. In addition, CFES publishes and distributes Project Magazine on a national level for Canadian engineering students.

CFES provides a voice and a means for engineering students to grow and move forward with each passing year so that mistakes are not repeated in different schools, and ideas are discussed and nurtured.

The New Huh? Notation

BY SCAFFOLDING MAN

A mathematical discovery was made early on this week giving rise to new possibilities. This is the new notation, which is similar to factorial notation but uses the question mark. It is written as $x?$ and pronounced as x huh?

The daunting possibilities of this notation to express grossly large numbers, are astounding and quite possibly useless. The definition of huh as operating on any in-

teger value, is the product of the factorials of the numbers leading up to that integer.

A definition for non-positive integers has yet to be developed but there is hope that it will be solved very soon. The rate of growth of the huh? function is so much ridiculously faster than the factorial, that it is cool. For example $16? = 1.89 \times 10^{90}$ while $16!$ is a measly 2.09×10^{13} . This function still holds many similar properties to the factorial operation due to their similar basis.

dating... that's tough, eh?

BY JEAN CRUZ

Nothing prepared me for the sight I was about to see, walking down the steps from the SF foyer to the atrium. I saw backs—backs as far as the eye can see. Hoards of people lined the edges of the pit, with the braver usual suspects sitting around a bunch of blue boards supported by milk crates. Everyone was talking. Everyone was waiting. Then I saw Yuval.

"Can you believe how many people are here?" he grinned. I could hardly hear him for the noise.

I still wonder what it was about the Charity Date Auction that made it the unbelievable success that it was. I wonder if it was the charity, the date or the auction part of it that drew the crowds. When Yuval Grinspun and Mary Rebello first told me about this crazy idea, I smiled politely so as not to crush my friends' spirits. "It's such a good idea!" they said, both grinning from ear to ear. "Do you want to get auctioned?" "No," I said, decisively. Auctioned? What-ever.

But that night, everyone was grinning from ear to ear—the SUDS manager especially (for reasons unknown). The crowds were waiting to be entertained. They weren't disappointed.

First up, sporting a shnazzy jacket and the cutest dimple in the world, Xavier Galvez went for 50 bucks. Everyone went wild. *50 dollars?* But engineering magnanimity (for I'm sure that it was the Heart and Stroke Foundation inspiring the numbers) did not stop there. As more engineers were sold, bidders got more adventurous. Boyfriends were getting out-bid by strangers from the back. People began to crowd the first floor balcony and they were bidding. Bidders were exchanging tips with cell phones. Smirks all around when Paul Graham was bought for \$69.

When the price first over went a 100 bucks, my mouth dropped open. It stayed open as bidders continued to stay with numbers three digits long. In the end, over \$2000 was raised, with the highest date selling for \$460.

The astronomical bids surprised everyone. "I brought 15 bucks hoping I could contribute," said SAC president Matt Lenner.



my date with Donald

BY TRICIA CRUZ

Winning the honour of having Donald Eta escort me to see *Forever Tango* on February 15 (at the Elgin and Winter Garden Theatre) was truly a magical gift for me. Any other girl should feel so lucky. I was privileged enough to ride in his chick-mobile. As we drove around downtown T.O., I saw many women stopping in their tracks, watching me in envy. (If looks could kill ladies...) He was a gracious gentleman. For instance, he carried me up the stairs to ensure we wouldn't miss the first act (not one of those over the shoulder deals either). In the grand tradition that is Donald, we were late.

We had an awesome time. Excluding the fact that the couple in front of us should have rented a hotel room rather than watch a show that night. Or how the four older, more distinguished ladies (i.e. senior citizens) forgot their hearing aids and were quietly shouting throughout the show. I also must include that they brought their own snacks—wrapped individually in VERY noisy plastic wrappers—which they ate during the second act. However, the show itself was amazing. We sneaked down to the ground level (which by the way was a long way from our original seating)...made the show more incredible. Seeing those dancers on the stage tango-it-up was great. It made me want to put learn-how-to-tango on my I-wish-I-had-more-time Skule™-is-driving-me-mad-To-Do list.

Some of the gracious souls who chose to sell themselves for charity: (going down left column) Althea Bartlos reacts to her skyrocketing price, Paul Graham wearing a skirt and a smile, auctioneer Tim Christie helps Andrea Cassano up onto a milkcrate pedestal as the crowds watch, the 50 Dollar Man Xavier Galvez; (above) Carrie Smith smiles and waves for the masses.

(right) Deaf grannies and noisy wrappers aside, Donald Eta and Tricia Cruz have an awesome time on their date.



feature

Chicken Wings and Jan Wong

BY SUSMITA DE



"I also dreamed of
changing the world,
like so many other
students at the time
with the exception,
perhaps, of those in
Engineering"

— from *Jan Wong's China*

One Saturday afternoon I lazily surfed the net (researching, of course, on how to design a c-shaped link for my MIE241 class) and stumbled upon the *Globe and Mail's* little corner in cyberspace. I immediately found the arts page so I could read the most recent Jan Wong column. Since she is a world-renown journalist from her work as the *Globe's* Beijing correspondent, and now because of her popular byline "Lunch with Jan Wong", there was a small flicker of hope that I just might find some data on compressing Styrofoam linkages. Who knows, she interviews everyone from Preston Manning to Bryan Adams, someone might have brought up c-shaped linkages.

Well, that Saturday afternoon I was inspired to write to her and see if she would agree to have a lunch interview with me for *Cannon* - sort of a "Lunch with Jan Wong" but with me... I thought it was witty. A few days later she said yes (her exact words were "Sure, let's have lunch. An engineer that writes!"). A few more days later, I was sitting in Einstein's watching the recipient of the National Newspaper Award and author of one of *Time* magazine's top five non-fiction books of 1996, *Red China Blues*, daintily eat her way through a plate of hot chicken wings and fries.

Ms. Wong grew up in Canada and studied at McGill, Beijing and Columbia Universities. In the early 70's, during the height of the Cultural Revolution in China, she was the first undergraduate foreigner permitted to study at Beijing University. A devout Maoist, she went to China to learn more about what the Little Red Book had to offer. After several years of studying and working in China, Ms. Wong grew wary of China's version of communism, and returned home. She went back to China in 1988 as the *Globe's* Beijing correspondent and covered the Tiananmen Square massacre and detailed the horrors in her much acclaimed *Red China Blues*. The book is still banned in China. Still, she was allowed back into China to research for her most recent book *Jan Wong's China*, where she critically examined the nation that is riding on a cultural roller coaster. Now, for the *Globe* she writes her entertaining weekly column based on lunch interviews with anyone and everyone. She's lunched with Margaret Trudeau, a squeegie kid, Suzanne Sommers and many others. And she's not afraid to ask them what their bra size is.

She had experienced so much, as an activist during the late 60's and 70's at McGill, a Maoist in China, a reporter for the *Boston Globe* and *New York Times* and wasn't about to be intimidated by anyone. So as I waited for Ms. Wong on a rainy afternoon in Einstein's, I envisioned a woman that could pierce me with her eyes, but I would still walk away impressed by her. I imagined that she would crack a smile only when I fumbled and mentioned something that I should never ever tell a reporter (the code to the satellite room is...). But instead, a petite woman wearing a bright blue fuzzy (I mean fuzzy) hat came in, and smiled apologetically for being five minutes late. She was sweet, even demure, and not at all like the woman who once

asked a political prisoner who had spent a good portion of his adult life in jail, "How's your sex life?"

Our two hour lunch over quesadillas and chicken wings, induced much conversation, which ranged from okra ("I love slimy", she proclaimed), to Monica Lewinsky ("She should open a dry-cleaning store"). I found her to be incredibly perceptive, witty, and caring.

We spoke a lot about her two sons, Ben and Sam (9 and 6 respectively). A woman who is a firm believer in exposing her kids to reality so life cannot shock them later, she keeps her kids abreast of current events and is making sure that they grow up to be feminists (yeah!). She's taken them to the Gay Pride parade, where they innocently asked where Santa was (they thought it was the Christmas parade), and openly discussed the tragic death of Matthew Sheppard.

Ms. Wong's "Lunches" proved to be a pool of entertaining gossip. Bryan Adams was a picky eater - he wouldn't eat anything from the menu, but asked for a special pizza to be made just for him. Preston Manning prayed before he ate lunch with her at McDonald's, then proceeded to tell her about his laser surgery and how he dyes his hair. Interestingly, right before Premier Mike Harris announced that he and his wife were separating, Ms. Wong had an interview with none other than Mike Harris' mistress. The *Globe* cut the story last minute - too risqué I guess.

"I've learned that celebrities are such liars" Ms. Wong told me. Both Margaret Trudeau and Margaret Atwood called Ms. Wong up after their respective interviews were published, and accused her of misquoting them. In both cases, Ms. Wong had only her notes to defend herself. Now she always brings along a tape recorder, and hasn't heard any complaints.

One complaint I had though, was what she had mentioned in *Jan Wong's China* (refer to quote at left). Maybe I'm biased, but I believe that engineers want to change the world...in their own marks/career driven heads. After all, we do rule the world. She explained, diplomatically, that her experience with closed-minded engineers at McGill University whose own newspaper consisted of crude jokes and playboy-type picture spreads, convinced her that even at a time of cultural upheaval, these very masculine engineers didn't care about the rest of the world. Ms. Wong went on to say that she was impressed, mostly, at the increase of women studying engineering, and encourages the female engineering students to remain focussed, and work hard.

On the topic of the somewhat controversial Lady Godiva, and why we engineers pay homage to her (the PC version being that we try to emulate her Naked-ness because of her devotion to the public, her self-sacrificing spirit, and her staunch belief of standing up for what is right). Ms. Wong perceptively scrutinized that the real reason why engineers pray to the buxom Lady Godiva is because "they're praying that there will be wind".

WISE meets Motorola CEO

BY WISE

This year, several members of the U. of T. chapter of Women in Science and Engineering had the unique opportunity to meet one of the most successful female engineers in the country. On January 25, CTV filmed a profile of Micheline Bouchard, President and CEO of Motorola Canada, and as part of this profile Wai-Lyn Wong, Felisa Zhang, Bianka Filipiuk, Aekta Ghandi and I participated in a question and answer period with Ms. Bouchard.

Throughout her career, Ms. Bouchard has been active in promoting engineering education, particularly women in

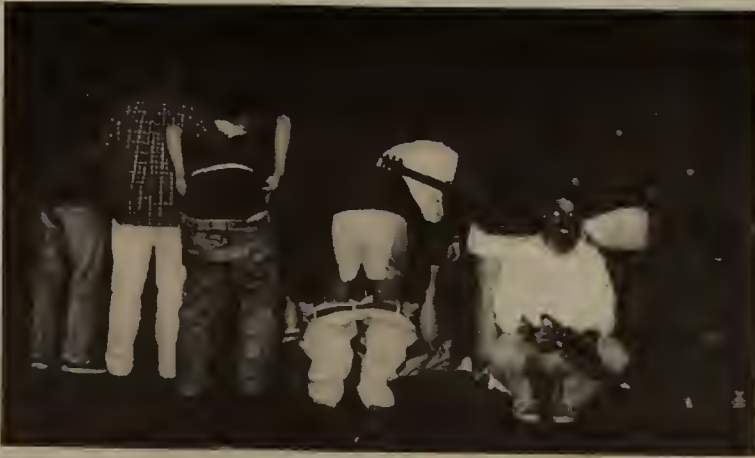
engineering. She has spoken to female students of the U. of T. Faculty of Engineering in the past and her company recently donated \$700,000 towards a lab in the new Centre for Information Technology, which is currently being constructed across from the Galbraith building. It was very inspiring to speak to such a successful woman and to hear about her experiences in her education and her career.

On February 9 we met with Ms. Bouchard again, at the Toronto Board of Trade's "Talking Technology" breakfast seminar, where she was the keynote speaker. It was well worth waking up early to hear Ms. Bouchard's discussion of the qualities of an effective leader. Ms. Bouchard proved to be an eloquent and motivating speaker, as well

as a very friendly and engaging personality. It was a pleasure meeting her and her achievements are a great inspiration to aspiring engineers.

**Got an Idea?
Need Financing?**

In confidence to:
nick@davewyre.com



(top) The Skule™Nite Band drops their pants. Need we say more?
(right) Skule™Nite Crew pointing in random directions. We're not sure why.

"Talk to the gauntlet, 'cause the face isn't listening!"

—Lancelot to King Arthur, Skule™Nite 2000

"In my left hand is a red pill...in my right hand is a blue pill..."

—Q to James Bond, Skule™Nite 2000

"I laughed so hard, I almost popped a blood vessel... we didn't know that engineers could sing and dance!"

—John Wheeler



Skule™ Nite 2000: Pun Intended

BY CHRIS PERUSSOTTI

From March 15th through March 18th, Hart House Theater was home to the Faculty of Applied Science and Engineering's annual Musical and Comedy Revue, Skule™Nite. Combining the talents of engineering's undergrads (as well as a few grads and the odd artsie (she certainly WAS odd), the cast and crew of Skule™Nite 2000 have been hard at work since the end of Skule™Nite 979 to ensure a world-famous, quintuple record-setting, sextuple prize-winning effort. The result: a kick-ass evening of dancing, singing, and comedic stylings.

While the tried and true "pun" technique proved to be ubiquitous throughout, other sketches featured song parodies, movie parodies, and comments on life here at Skule™. A couple of personal favourites include "MS Word Up" (where white-collar workers try their hand at ebonics), "The Good, The Bad, and the EngSci" (the EngSci version of

Superfreak), "The Toughest Grime" (an incredible a cappella remake of Billy Joel's "The Longest Time"), "One Knight Stands" (go on, guess), and "Chunky" (a *Matrix* sketch featuring slow-motion action that had to be seen to be believed).

Closed by the epic "Les Finales"—One Song More à la Les Misérables—how could anyone help but give Skule™Nite 2000 a standing ovation? (Actually, when I went to see the show on Friday, it seems there were five rows in front of me who could help not doing it... I reprimanded them for their impudence with a cry of "STAND UP YOU FIERS" which did not seem to accomplish anything). Congratulations are definitely in order to Aryn Pyke and Wilfred Lam, Skule™Nite 2000's Director and Producer, as well as the entire cast and crew for putting together an awesome show.

Planning for Skule™Nite 2001 will start in the near future. If you're interested in helping out with next year's show, be on the lookout for emails and posters.



Come feast your soul on
Frog Legs and Lingonberries

The Hart House Chorus

performs Poulenc, Darius, and El Hanbo
(featuring the Swedish Chef).

John Furell, director
Henry Smith, accompanist

Sunday, April 2nd at 3:00 pm
in the Great Hall at Hart House

Admission is free, a reception will follow

HART HOUSE
UNIVERSITY OF TORONTO
7 Hart House Circle

Phone: 978-2852

www.uoft.utoronto.ca/harthouse

Bombardier

establishment of Bombardier Aerospace within the last decade. This has been through innovative manufacturing processes and the acquisition of Canadian and international aerospace companies including Canadair, de Havilland, Learjet and Shorts, which now belong to the Bombardier Aerospace family.

The tour began with an introduction to Bombardier Aerospace and its business focus on civil aircraft production. A video was presented which displayed Bombardier Aerospace's flagship business aircraft called the Global Express. The Global Express is a highly efficient and passenger sensitive aircraft which can fly long-haul journeys directly to business locations around the world without the need for stopovers. The students were then taken on a tour through the manufacturing bays to observe the different

aspects of aircraft production and the work in progress on planes such as the Global Express. The employees and interns of Bombardier Aerospace who doubled as tour guides were quite helpful in explaining how the various elements of the aircraft worked and the engineering principles behind their design.

The tour was highly insightful in demonstrating some of the type of work that awaits beyond graduation for engineering students and a rare opportunity to see how commercial aircraft are manufactured.

The student response to the tour was very strong and a second IEE tour is being planned. The IEE would like to thank Matthew Ying as well as Gerald Hanley of Bombardier Aerospace who were responsible for organizing

the event from both ends. The IEE would also like to thank the employees and interns of Bombardier Aerospace who volunteered their time and effort to make the tour a success.

Need Peer Tutoring?

Visit the NEST

(Network of Engineering Student Tutors)

<http://www.ecf.utoronto.ca/~profdev/NEST.htm>

Brought to you by the Engineering Society's Professional Development Committee

continued from page 1

the happy 4th year page

